

Date: Thursday, 5/4/2006 1:09:15 PM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : SHUT-OFF VALVE SHAFT
Job Number : 27014	
Estimate Number : 12190	
P.O. Number : N/A	Part Number : D34701
This Issue : 5/4/2006 S.O. No. : N/A	Drawing Number : D3470 REV.A
Prsht Rev. : NC	Project Number : N/A
First Issue : N/A Type : PURCHASED PARTS	Drawing Revision : A
Previous Run : N/A	Material : N/A
Written By : <u>SPRJA COMMENT Below</u>	Due Date : 5/28/2006 Qty: 8 Um: Each
Checked & Approved By : <u>06.05.05</u>	
Comment : est rev A 06.04.20 new issue EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M303R0250	303 Round Bar 0.250"
-----	-----------	----------------------



Comment: Qty.: 0.6825 f(s)/Unit Total : 5.4600 f(s)

AISI 303 Round Bar 0.250" batch: M 10/00006/05/17

2.0	BAND SAW	BAND SAW
-----	----------	----------



Comment: BAND SAW

Cut blank 7.80 " long

06/05/17

8

3.0	LATHE CONV.	CONVENTIONAL LATHE
-----	-------------	--------------------



Comment: CONVENTIONAL LATHE

1-Turn chamfer and face ends as per dwg D3470

06/05/17

8

4.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE

1- Mill as per dwg D3470

2-Deburr as per dwg D3470

06/05/18

8

5.0	QC5	INSPECT WORK TO CURRENT STEP
-----	-----	------------------------------



Comment: INSPECT WORK TO CURRENT STEP

J.G06/05/18

8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____

Date: Thursday, 5/4/2006 1:09:15 PM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SHUT-OFF VALVE SHAFT

Job Number: 27014

Part Number: D34701

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: ST440

AP 06/05/18 (8)

7.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

LD 06/05/18 (8)

Job Completion



W 06.05.19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
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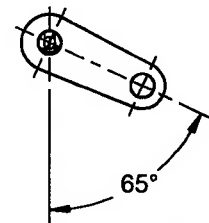
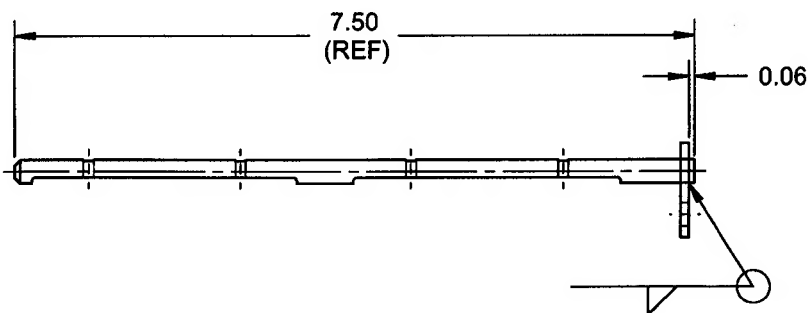
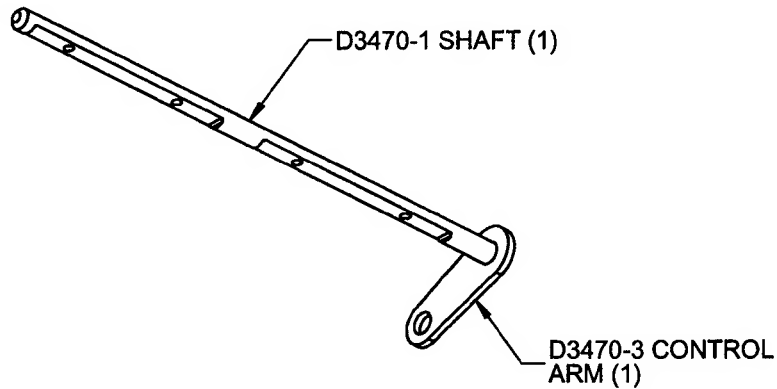
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

NOTE: Date & initial all entries

QA: N/C Closed: _____ Date: _____



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3470	REV. A SHEET 1 OF 4
DATE 05.12.14		TITLE SHUT-OFF VALVE SHAFT	SCALE 1:2
A	05.12.14	NEW ISSUE	



D3470-041 SHUT-OFF VALVE SHAFT

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WITHOUT NOTICE

WORK ORDER

NO. 27014

NOTES:

- 1) WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

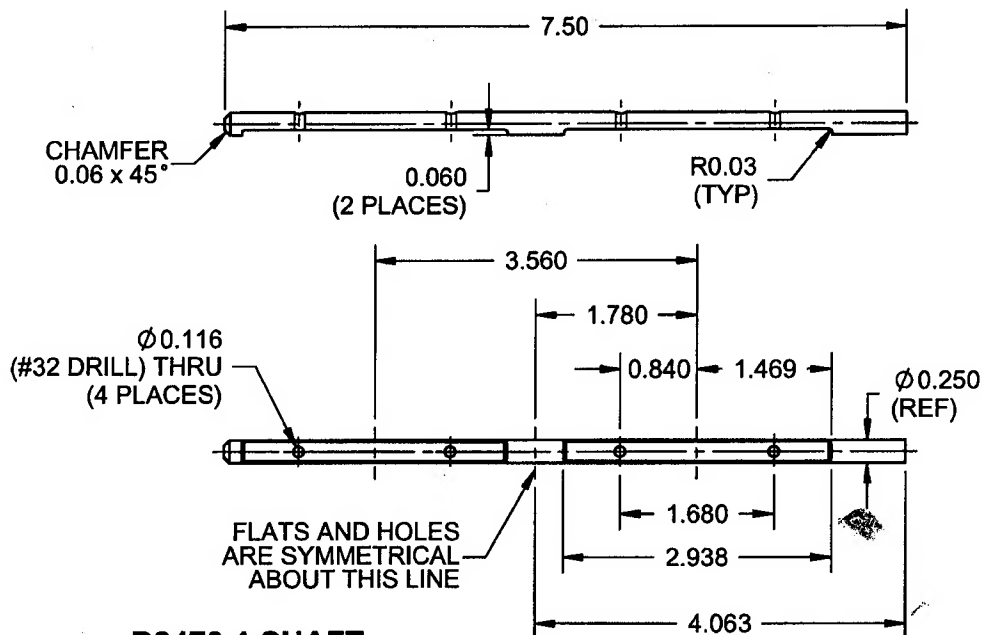
QTY -041	P/N	DESCRIPTION
X	D3470-041	SHUT-OFF VALVE SHAFT
1	D3470-1	SHAFT
1	D3470-3	CONTROL ARM

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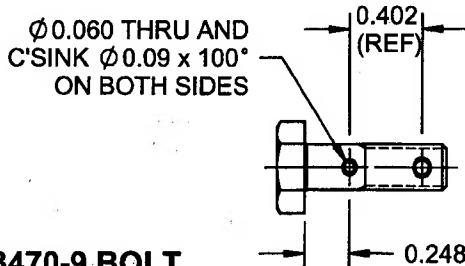
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DATE 05.12.14		TITLE SHUT-OFF VALVE SHAFT	SCALE 1:2

**D3470-1 SHAFT**

- 1) MATERIAL: AISI 303 STAINLESS STEEL 0.25 ROUND BAR
(REF. DART SPEC. M303R0.250)

**D3470-9 BOLT**

SCALE 1:1

- 1) MAKE FROM AN4-6 BOLT

NOTES:

- 2) FINISH: NONE
3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
4) ALL DIMENSIONS ARE IN INCHES
5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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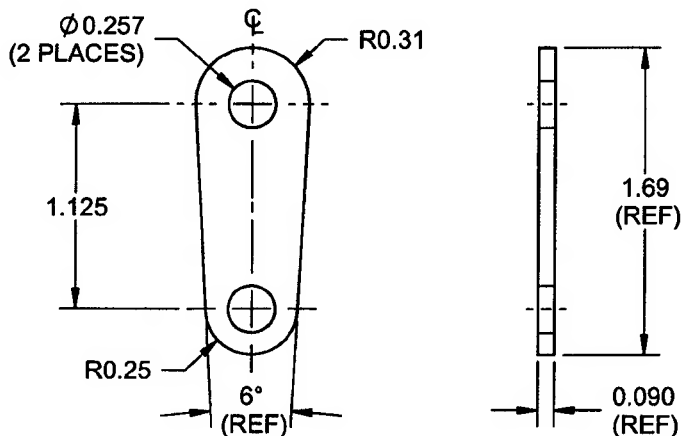
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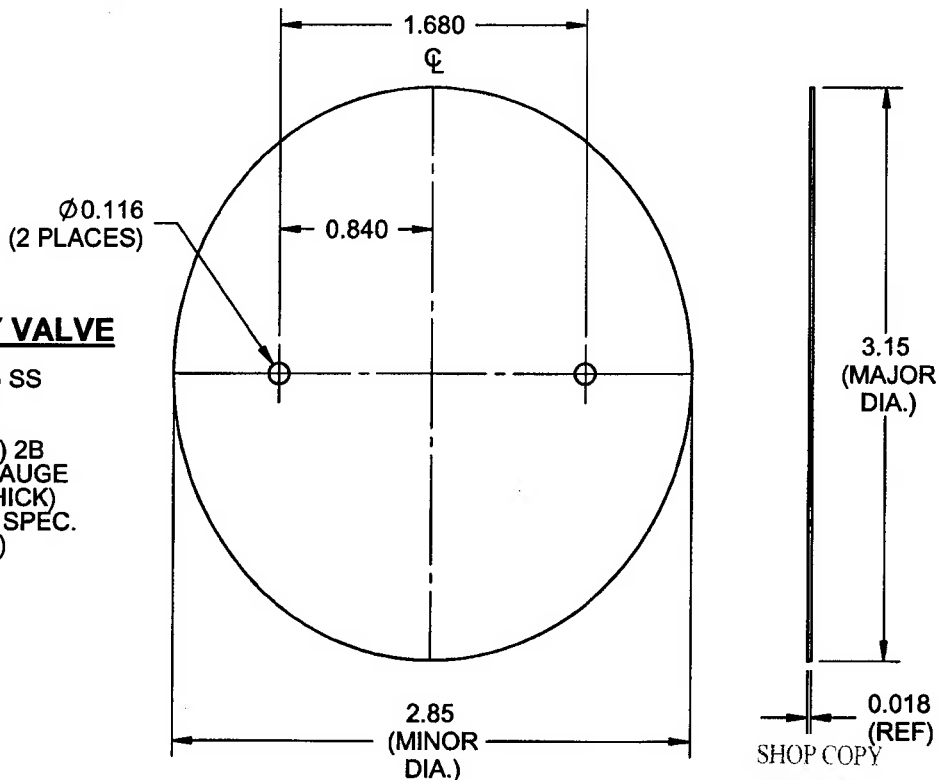
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CHECKED #	APPROVED #	DRAWING NO. D3470	REV. A SHEET 3 OF 4
DATE 05.12.14		TITLE SHUT-OFF VALVE SHAFT	SCALE 1:1

D3470-3 CONTROL ARM

- 1) MATERIAL: AISI 304/316 SS SHEET PER
MIL-S-5019 (ANNEALED) 2B
FINISH 13 GAUGE SS
(0.090 THICK)
(REF. DART SPEC. M304S13GA)

**D3470-5 BUTTERFLY VALVE**

- 1) MATERIAL: AISI 304/316 SS
SHEET PER
MIL-S-5019
(ANNEALED) 2B
FINISH 26 GAUGE
SS (0.018 THICK)
(REF. DART SPEC.
M304S26GA)

**NOTES:**

- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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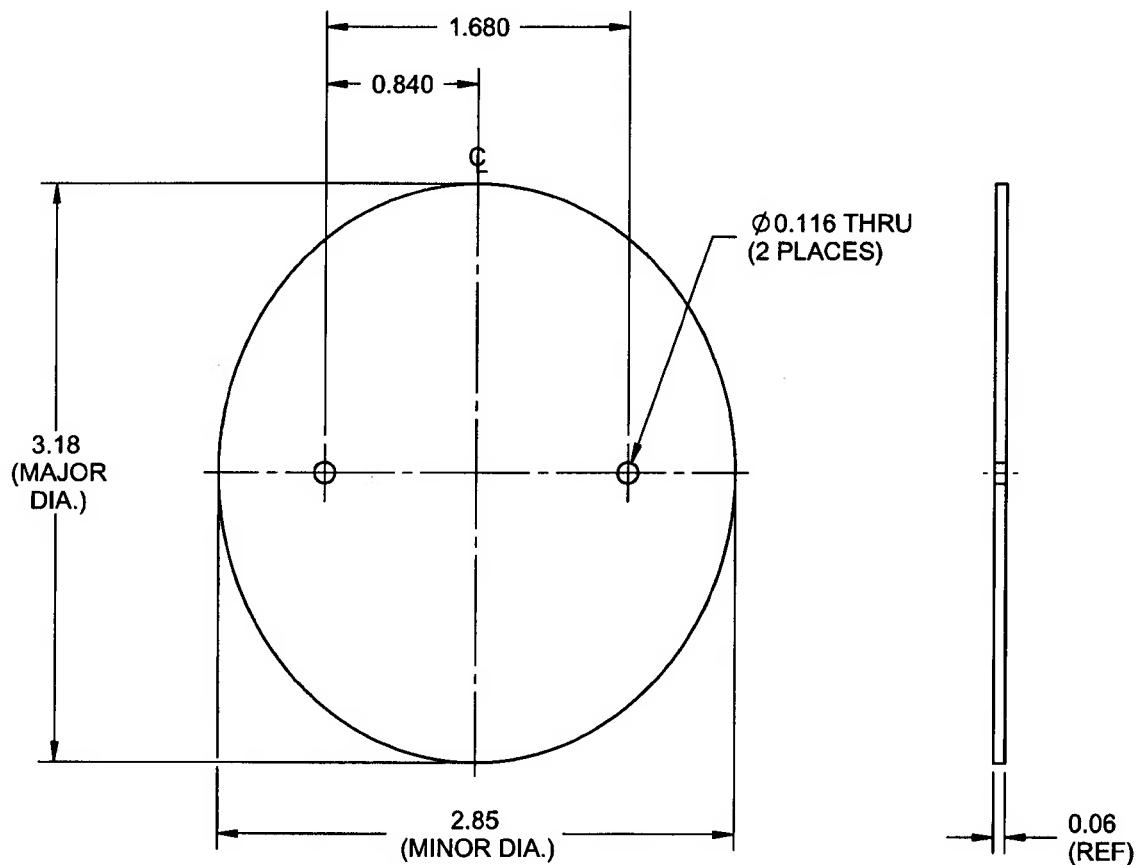
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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3470	REV. A SHEET 4 OF 4
DATE 05.12.14		TITLE SHUT-OFF VALVE SHAFT	SCALE 1:1

**D3470-7 BUTTERFLY VALVE SEAL****NOTES:**

- 1) MATERIAL: RED (OR GRAY) 60 DUROMETER HI-TEMPERATURE SILICONE SHEET, 0.063 THICK (REF. DART SPEC. M-SIL60-S.063)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

RELEASED
06-04-03 *[Signature]*

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